## INTERNATIONAL SEARCH REPORT

Internation Application No PCT/DE2004/002576

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E02F3/43 F156 F15B11/20 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 E02F F15B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Ρ,Χ, DE 103 34 321 A1 (BOSCH REXROTH AG) 1 - 38 July 2004 (2004-07-08) abstract paragraph '0017! - paragraph '0023! paragraph '0031! figures 2,7 DE 195 81 883 TO (KOMATSU LTD.. Α 1 TOKIO/TOKYO, JP; KOMATSU MEC K.K., TOKIO/TOKYO, JP) 11 December 1997 (1997-12-11) abstract P,A -& DE 195 81 883 B4 (KOMATSU LTD., 1-4 TOKIO/TOKYO; KOMATSU MEC K.K., TOKIO/TOKYO) 2 September 2004 (2004-09-02) abstract paragraph '0012! - paragraph '0030! figures 3,4 Further documents are listed in the continuation of box C. X Patent family members are listed in annex. \* Special categories of cited documents : "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance Invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an onal disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the International search Date of mailing of the international search report 10 March 2005 18/03/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Sheppard, B

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 465 (M-882), 20 October 1989 (1989-10-20) -& JP 01 182419 A (KOMATSU LTD), 20 July 1989 (1989-07-20) abstract figures 1-4	1,4,5
1	US 3 642 159 A (WILLIAM J. ASKINS) 15 February 1972 (1972-02-15) the whole document	1,4,5
A	US 6 561 751 B1 (ISHIZAKI NAOKI ET AL) 13 May 2003 (2003-05-13) abstract	1
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